



Advanced Manufacturing of Fuel Cells and Fuel-Cell Components: 2nd Edition

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Deadline for manuscript submissions:
closed (24 October 2025)

Message from the Guest Editors

Dear Colleagues,

As the world is transitioning to more sustainable energy sources, hydrogen serves as one of the leading energy vectors. Its use in fuel cells to obtain heat and power is becoming increasingly popular, both for stationary and for mobile applications; quite remarkably, even fuel-cell types fed by other fuels (e.g., direct methanol fuel cells) are considered very promising and substantial research efforts have been spent on them. This Special Issue specifically aims to serve as a collection of the most recent contributions in the field.

The following topics are of significant interest, but manuscripts addressing other relevant topics are also welcome:

- Additive manufacturing techniques applied to fuel cells;
- Fabrication of the entire membrane electrode assembly;
- Deposition of the catalyst layers and membrane manufacturing process;
- Manufacturing of bipolar plates and gas diffusion layers;
- Production of fuel-cell gaskets;
- Fuel-cell stack assembly lines;
- Techno-economic assessment of the whole industrial process or part(s) of it;
- Automation.





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Message from the Editor-in-Chief

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